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Canada Centre for Mineral and Energy Technology | Centre canadien de la technologie des minéraux et de l'énergie

ISO/TC 69/SC 3,5,6 AND SC 6-REMCO JOINT WORKING GROUP MEETING BERLIN, 1984-11-12/16

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by

R. Sutarno

This report covers the ISO/REMCO - TC 69/SC 6 joint working group meeting, ISO/TC 69/SC 6/WG 1 meeting, and ISO/TC 69/SC 3, SC 5 and SC 6 plenary meetings held at the Deutsches Institut fur Normung (DIN), Berlin, FRG, 1984-11-12/16.

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LES RÉUNIONS DE 1'ISO/TC 69/SC 3,5,6 ET DU GROUPE DE TRAVAIL CONJOINT DE SC 6-REMCO, BERLIN, 1984-11-12/16

par

R. Sutarno*

RÉSUMÉ

Ce rapport décrit les réunions du group de travail conjoint de 1'ISO/REMCO - TC 69/SC 6 et de 1'ISO/TC 69/SC 6/GT 1, et les réunions plénières des ISO/TC 69/SC 3, SC 5 et SC 6 tenus au Deutches Institute fur Normung (DIN), Berlin, 1984-11-12/16.

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INTRODUCTION

Three subcommittees of ISO/TC 69 (ISO Technical Committee on Application of Statistical Methods), SC 3 - Application of statistical methods in standardization, SC 5 - Acceptance sampling, and SC 6 - Application of precision data, met concurrently in Berlin during the week of 1984-11-12. Each of these sub-committees is divided into working groups (WG), each for specific tasks. These working groups met separately. The subcomittee meetings were coordination meetings among these working groups. Because of conflicting schedules Canada was represented at only a few of these meetings.

1. ISO/REMCO - TC 69/SC 6 joint working group meeting

(November 12, All Day, and November 15, Afternoon)

The meeting was attended by E. Colinet (EEC), F. Dukati (Hungary), W.F. Michell (UK), T. Miyazu and R. Sato (Japan), H.J. Reuss (Denmark), P. Th. Wilrich (Germany) and chaired by R. Sutarno (Canada).

The purpose of this meeting was to discuss the draft of ISO Guide 33, "Uses of certified reference materials for the assessment of a measurement procedure" proposed by Canada (ISO/REMCO 114 or CANMET/MRP/MSL 84-63 (J)). This document has been previously approved in principle by REMCO. The purpose of this discussion was to incorporate the comments made by REMCO members and TC 69/SC 6 members to ensure that it satisfies statistical principles.

Summary of results

(1) In view of the detailed nature of the document, some delegates suggested that it might be appropriate to publish this document as an ISO standard instead of just as an ISO Guide. This question is complicated by the fact that REMCO, being an ISO Council Committee, does not publish standards. If it is decided that the document will be published as an ISO standard, it must be by TC 69. This ISO administrative problem will be solved jointly by the secretariats of TC 69 and REMCO.

(2) The document was modified to state that the conclusion from an assessment of a measurement procedure should be only within the

procedure is as accurate as and/or as precise as those analytical procedures that were used for certification of the CRM. No recommendation should be made on the acceptance or rejection of the analytical procedure to be tested.

(3) The document was reviewed in detail clause by clause, both technically and editorially. A new draft will be prepared by R. Sutarno by January 1, 1985 and distributed to P. Th. Wilrich, T. Miyazu and K.R. Eberhardt (NBS, USA) for comments. Subsequently it will be submitted simultaneously to both REMCO and TC 69/SC 6 for approval by June 30, 1985.

1. ISO/TC 69/SC 6/WG 1 Meeting,

(November 13, Morning, November 14, Afternoon and November 15, Morning)

This working group was created at the last TC 69/SC 6 Paris meeting in 1982 with a task to revise ISO 5725 "Precision of test methods - Determination of repeatability and reproducibility by inter-laboratory tests". This standard is the main standard issued by ISO/TC 69/SC 6. It was decided that two types of revisions should be made:

(a) Short-term revision - involves only editorial changes with a target date for completion of 1985;
(b) Long-term (major) revision - involves both technical and editorial revisions.

Canada decided not to participate in the short term revision but will participate in the long term (major) revision.

The short-term revised ISO 5725 was circulated as document ISO/TC 69/SC 6 N 80. Except for minor editorial changes, this document was accepted and sent directly to the Central Secretariat for publication as a standard.

It was decided that the working group is to start immediately the long-term (major) revisions of the same document. The scope of the document will be expanded to include the result of the work of WG 2. The membership of the working group is to be expanded.

The revised form of ISO 5725 will be divided into four parts, each will be issued separately and will consist of several sections.

Part 1: The Principle for the Determination of Repeatability and Reproducibility for a Standard Test Method by Interlaboratory Tests.

Part 2: The Mathematics for the Determination of Repeatability and Reproducibility for a Standard Test Method by Interlaboratory Tests.

Part 3: Other Precision Measures
- Section 1: The Effect of Calibration and Recalibration
- Section 2: Long-term Repeatability
- Section 3: etc.

Part 4: Practical Application of Precision Measures
- Section 1: Determination of Precision of an Existing Test Method
- Section 2: Establishing the Validity of a New Test Method
- Section 3: Calibrating an Existing or a New Laboratory
- Section 4: Comparison Between Analytical Procedures
- Section 5: Conformity to Specification
- Section 6: Quality Control in a Laboratory
- Section 7: Acceptability of Analytical Results
- Section 8: etc.

It is expected that both Parts 3 and 4 will grow as new measures of precision and applications are found.

The materials to be included in the new ISO 5725 were discussed at the meeting and the task of preparing the preliminary draft document was distributed among the members or potential members of the working group.

Convener of WG 1		- W.H. Oakland (UK)
Secretary of WG 1		- W.F. Michell (BSI, UK)
Part 1		- W.H. Oakland (UK)
Part 2		- W.H. Oakland (UK)
Part 3	Section 1	- Document ISO/TC 69/SC 6 N 81
	Section 2	- T. Miyazu (Japan)

Part 4 Section 1 - W.F. Michell (UK)
Section 2 - Still to be assigned
Section 3 - K. Zedeler (Denmark)
Section 4 - R. Sutarno (Canada)
Section 5 - P. Th. Wilrich (Germany)
Section 6 - T. Miyazu (Japan)
Section 7 - ISO/TC 69/SC 6/WG 2

The preliminary draft should be ready for circulation to the WG members by May 1, 1985. The working group plans to meet in London in June 1985.

3. ISO/TC 69/SC 6 Meeting

(November 13, Afternoon, and November 14, Morning)

This was a plenary meeting of the subcommittee to hear the report as well as to define the tasks of various working groups within SC 6.

(a) Working Group 1, Report and Discussion

(1) The subcommittee accepted document 6 N 80 as the short-term revision of ISO 5725; this document will be published as ISO 5725/1.

(2) The subcommittee approved the outline for the new ISO 5725 proposed by WG 1 with some modification and requested the working group start immediately on the preparation of the long-term (major) revision.

(3) The subcommittee redefined the conditions of repeatability and reproducibility by emphasizing the "independent" property of the observations. This modification will be in harmony with those conditions defined by other TC's such as TC 102.

(4) The subcommittee accepted document 6 N 81 which will be incorporated into the new ISO 5725 as one of its sections.

(b) Working Group 2, Report and Discussion

In the absence of its convener, B. Godfrey (USA), T. Miyazu reported the work of WG 2. The convener sent a written draft proposal (document 6 N 83) on the acceptability of results both within and between laboratories. This draft was supposed to be the result of the WG meeting held in Tokyo, 1983. Unfortunately the document was not circulated before the meeting (it

was the first time that the writer saw the document even though he is a member of WG 2). Furthermore, this document contains a consideration of "arbritration", a subject that was deliberately deleted at the Paris meeting. For this reason, the document was not accepted as it was. Furthermore with the expansion of WG 1, the work of WG 2 will be included in WG 1; in essence, WG 2 is being absorbed by WG 1.

(c) Working Group 3, Report and Discussion

(November 12, All Day and November 13, Morning)

Canada is not a member of this WG. The convener's report indicated that the work of this WG is still in the early stages. Unless new interest arrives in Canada from metrologists, there is no need, at this stage, to join this WG.

In conclusion, it was clear that SC 6 will operate in the same way as SC 4 and SC 5, i.e., that the work will be divided among working groups. At the moment WG 1 and WG 3 are active and WG 2 is being absorbed by WG 1. The subcommittee itself will act as the coordinator.

The next meeting of ISO/TC 69/SC 6 will be held in Tokyo, Japan, October 1-4, 1985.

4. ISO/TC 69/SC 3 Meeting

(November 16, Morning)

The activities of this subcommittee consist of preparation of two standard documents:

(a) "Guide for the application of statistical methods in standardization", Document ISO/TC 69/SC 3 N 51 E

(b) "Guide to sampling selection method", ISO/DP 7874

ISO/DP 7874 will be divided into two parts: sampling of descrete materials and sampling of bulk materials. The latter is very much of interest to Canada as both producer and trader of bulk commodities (ores, concentrates, wheat etc.). The next meeting of this subcommittee will be held in Tokyo, Japan, October 1-4, 1985.

5. ISO/TC 69/SC 5 Meeting

(November 16, Afternoon)

In the absence of S. Puri (due to illness), the writer attended this meeting. It was a coordination meeting to hear reports of five working groups operating within the subcommittee. (Docuements 5 N 181, 182, 183, 184 and 185).

The next meeting of this subcommittee will be held in Tokyo, Japan, October 1-4, 1985.

RECOMMENDATION

Both ISO/TC 69 (particularly SC 3 and SC 6) and REMCO are horizontal committees. They produce standards and guides that will be used by product committees. These guides and standards will help to harmonize the work of the product committees. For example, ISO 5725 will be used by most (if not all) technical committees as their protocol to conduct interlaboratory studies. This will result in the consistency of the precision and accuracy statements made in each standard document. The cooperation of ISO/TC 69/SC 6 with REMCO in the development of ISO/Guides 35 and 33 is further evidence of harmonization between committees. It is recommended that Canada continue to support the activities of both committees. The importance of the work of both TC 69 and REMCO to Canada is indirect, and is related to their contribution to the product committees.

ITEMS TO BE ACTED ON BEFORE MINUTES ARRIVE

(1) By SCC - To confirm Canada's participation in the work of ISO/TC 69/SC 6/WG 1

(2) By R. Sutarno

(a) To prepare a second draft of ISO/Guide 33 and to submit it to both Secretariat of REMCO and TC 69/SC 6

(b) Subject to approval of item (1) above by both SCC and CANMET, to prepare a draft document on the statistical aspect of methods comparison. This document will be incorporated to ISO 5725 as one of the sections.